

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [740] 30M beacon heard
Message-ID: <199607110258.CAA17790@chuck.dallas.sgi.com>

Gang,

I wasn't looking but stumbled across the QRPP beacon on
30M was brought earlier in the year by several.

July 11, 1996 0245UTC 10.136MHz W3RGQ from 439 to 449 RST

I was tuning above 10.125MHz on the Explorer II to see what was
up there.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO Tmps 1996 Qs=055 States=27 Confirmed=14 DX=02 (0.95W)
AL AZ CA CO DC DE FL GA IA IL IN MD MI MO
NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Lau, Zack, KH6CP" <zlau@arrl.org>
Subject: [695] Chip caps
Message-ID: <m0udzjt-000f6NC@mgate.arrl.org>

Mike AG1H wrote:

>to 10 GHz). One other thing to watch out for -- many high Q microwave chip
>caps are made for ceramic hybrid modules, and have silver or palladium
>terminations (contact areas). Standard caps have tin/nickel terminations,
>which solder very well to glass or teflon boards with copper traces. The
>silver ones will not form a reliable joint with normal tin/lead solder and
>44 flux.

Is there an easy way to identify these at hamfests?

A test that can be done at home is to solder/unsolder them a
few times from a PCB with ordinary solder. If they still look nice
you don't need silver solder.

The chip caps from Mouser/Digi-Key/Down East Microwave
all seem to withstand ordinary solder quite nicely. While I

have expensive chip caps for critical applications, I've been surprised at the low loss of inexpensive NP0 chip caps.

The silver solder still comes in handy--when you want to solder something with gold plating. Otherwise the gold will leach off and look pretty lousy.

--Zack KH6CP/1

I agree, the new contest certificates are really nice...
Wonder how the recent Net Certificates compare?

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [716] EA9AI QRP
Message-ID: <Qc1z2HA2X\$4xEwuK@barville.demon.co.uk>

Hi Folks

I was lucky enough last night (2155z) to work Javi, EA9AI QRP on 14060. He was running 5 watts to a Ground Plane antenna. I suspect he might be quite active, so hope the information may be of use to others.

By the way, he asks for qsl's via the (EA) buro, but does anyone have a direct mailing address for him?

--

Peter G3XJS (G-QRP#3001, QRP ARCI#8572)

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [689] FS: HW-9
Message-ID: <31E40420.E28@acsu.buffalo.edu>

The HW-9 is sold! It is going to a good home where it will be well cared for.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=118 WAS=27 Confirmed=05 DX=17
HW-9 @ 3W, MFJ941C, 142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF

Worked all Canada= VE1 V01 VA2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [728] FS: MFJ 941C Tuner
Message-ID: <31E4AD78.1D6B@acsu.buffalo.edu>

Me again. This time I have for sale a nice MFJ 941C tuner with manual. This is the tuner that Chuck Adams is pictured with in the CQ article from a while back.

First \$40 takes it away! I will ship to the lower 48.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=118 WAS=27 Confirmed=05 DX=17
HW-9 @ 3W, MFJ941C, 142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 V01 VA2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [726] FS: MFJ 9420 w/CW Board
Message-ID: <31E4ABF0.2B39@acsu.buffalo.edu>

Must sell my MFJ 9420 20M SSB rig with the optional CW Module. It's less than one year old.

This is a very nice solid rig with about 12W PEP. Has had great reviews in all of the magazines.

The first \$190 takes it away! I will ship to the lower 48.
(A new unit would run at least \$240 +++)

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=118 WAS=27 Confirmed=05 DX=17
HW-9 @ 3W, MFJ941C, 142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 V01 VA2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [727] FS: MFJ9040
Message-ID: <31E4AC98.3F53@acsu.buffalo.edu>

Must sell my MFJ 9040 40M CW rig with the optional filter module. It's less than one year old.

This is a very nice solid rig with about 4W output.

The first \$120 takes it away! I will ship to the lower 48.
(A new unit would run at least \$175 +++)

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=118 WAS=27 Confirmed=05 DX=17
HW-9 @ 3W, MFJ941C, 142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 V01 VA2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Jerry <jfelts@rapidcity.com>
Subject: [721] FS:Argo 556
Message-ID: <199607102001.0AA03519@host1.rapidcity.com>

For Sale Ten-Tec Argo 556 less than 1 year old. With modules for 80,40,30,20, & 15 meters. Asking \$475 I ship. Anybody interested?

Jerry NR5A

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [723] FS:SEVERAL CODE PRACTICE TAPES
Message-ID: <9606108370.AA837034631@smtpgw.ccgate.dl.nec.com>

Gang:

Now that my upgrading frenzy is long over with,
I have several code practice tape packages which
may be of interest to somebody you know who is

wanting to upgrade:

Gordon West tapes - this is the package R/S sells for around \$20, 6 tapes going from 0-13wpm. Good over all intro/practice set.

ARRL tapes - Upgrade set for increasing speed to 15-18wpm. 2 tape set with plain English text and random stuff. Like having W1AW in your living room, except you can REWIND!

W5YI Extra Class set (2 tapes) - Gordon West speed builders from 13 to 24 wpm. Good practice for getting used to the "scary/hairy" Element 1C test. All QSO-like practice, no random.

These have all been used, but are still in good usable condition.

Would like to sell all above as a nice practice set. I'll pay shipping to lower 48 via Priority Mail.

\$25.00 takes the bundle.

Let me know and we'll work it out.

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: cookes@pop.jaring.my (Siong Teck Cheun @ Joseph)
Subject: [687] HELP
Message-ID: <199607101202.UAA15602@jaring.my>

Dear QRPers,

This has nothing to do with QRP. I would like to seek any kind of help from any QRPers who possess knowledge/sell/any investors for treatment for Oil sludge (dirty Oil) which has been mix with water and other impurities (To process seperations/Plants) please email direct.

Thanks.

SIONG

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*      SIONG 9M8ST/V85ST      /-/-/ ~ /|\      *
*      G-QRP 7986      /^\ |/\ /_|\      *
* e-mail cookes@pop.jaring.my      | //^^\ \      *
*      snail mail address :      ____/^\__/_|%@|__\      *
*      171D Cookes Drive      *
*      93150 Kuching Sarawak      *
*      MALAYSIA      *
*      *
*      # For more information about SARAWAK check in #      *
*      *
*      http://www.sarawak.gov.my/stb      *
*      *
*****

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From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
 From: SNickrand@aol.com
 Subject: [725] HW-7 MOD's?
 Message-ID: <960710190157_153154426@emout17.mail.aol.com>

The HW-7 I bought 20 years had a terrible (non-existent) front end. After getting back into the hobby after 20 years, I want to rebuild the front end. I still have a copy from a Jan, 1974 QST article by Doug DeMaw on just this subject. Before embarking on this, I thought I'd see if anyone has seen any more recent approaches to accomplishing this task. As good as Doug is, there may have been some advances in technology since this article was written. Anybody have any ideas or suggestions? KB9KOL

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
 From: rflight@vnet.ibm.com
 Subject: [711] It's a wrap...
 Message-ID: <199607101812.0AA148741@nss2.CC.Lehigh.EDU>

Scott;

This is the kind of information that needs communicated to the FCC, IARU, IRS, CIA, IOU, etc.... :-). In the context of mission critical communications, "the mail must go through". Without CW the results could be tragic. Keep in mind however; it is unlikely CW will ever be disallowed... That's not the issue... It's stories like this that support maintaining CW as a "required" skill to maximize the success of communications during the worst of disasters.

The issue is whether or not it remains a requirement, not whether or not we will lose the privilege of using it.

The cornerstone of our existence is to provide public service. CW is an enabler that ensures our ability to meet that objective.

An excellent example... thanks for sharing it.

de N3GO

I was just on 6m, running my standard 8w SSB to a dipole. K0ETC in St. Louis was very strong. I called but the path faded strongly. He had my call but couldn't get my name, signal report, or grid. I tried again in CW, and he got all of it.

He replied (paraphrasing): "The CW took me by surprise - but I can't read your audio at all, and the CW popped right through."

I answered him on phone but he seemed to not hear me (no reply when I finished). I sent 73 on CW and he replied, "OK, 73, thanks."

There is still no ready-to-use instrument more powerful than a well-trained human ear.

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: k7yha@juno.com (richard h. arland)
Subject: [731] Juno e-mail
Message-ID: <19960711.010136.4615.10.k7yha@juno.com>

Hi Gang:

Sorry to those of you who have posted mssgs to me over the last week. I have been having constant troubles with the Juno software for the "free" e-mail. It might be free dollar wise, but it sure is frustrating.

I have had to reload the software several times. Juno tech support is not overly helpful. If this keeps up I'm going back to the "server of the month club".

At any rate, bear with me while I try to get this mess working properly.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: k7yha@juno.com (richard h. arland)
Subject: [729] K7YHA 1996 No. American Tour - Wrap Up (vy long)
Message-ID: <19960711.010136.4615.11.k7yha@juno.com>

Gang:

Tricia and I left Wilkes-Barre on June 15th (about 0400 EDT) headed for Raleigh, NC and AA4XX's QTH. We arrived at Paul's place about 13 hours later, met several of the locals, had some great bundt cake and toured Paul's picturesque North Carolina farm...several mobile contacts were made on 40 meters around the Baltimore area, as we drove through.

>From Paul's we traveled to Winston-Salem, NC to see friends and stay overnight. Father's day found us on the road (I-40) headed West at a great rate of knots. Several contacts were made just before dinner time. One of the most memorable was W4PRO, Jim Wise, in Hampton, VA. I have known Jim since the early 80s and it was a pleasure to work him QRP to QRP (normally Jim runs max legal power, but he had just re-constructed his first rig (a 6U6 Tx at about 4 watts output) and he put it on line for our QSO.

On across the states on I-40....I swear that road does not rise or fall more than 20 feet nor does it deviate more than 5 degrees from Oklahoma City to Kingman, AZ. We took a side trip to Las Vegas (part of Tricia's birthday present) and saw "Sin City" up close. It was a blast trying to work the paddles while bouncing around in the back of the Sabaru zig-zagging down the mountain roads below Hoover dam. Did manage a QSO or two there!

We arrived at Fred Turpin's (K6MDJ) QTH on Wednesday evening about 1830 PDT. Fred and Cheryl were gracious hosts and Tricia stayed with Cheryl and rode horses for 4 days while Fearless Fred and I journeyed to the Zuni Loop, high atop Table Mountain for Field Day.

Zuni FD was a blast. These guys REALLY know how to have fun. After the dust settled, it was calculated that the Zunis had made about 1000 QSOs as a 7 A entry . The "Death Ray" 40 mtr 4 element beam did not perform well, but the Carolina Windom 160 that I brought along from Jim Thompson's Radio Works certainly did. Unfortunately, the 40 meter CW station lost about 60 QSOs when a computer glitched. The high point of the evening was watching QRP Bob from Wilderness Radio fall out of his chair while operating the 40 meter CW station! He and I were laughing so hard we woke the entire campsite up!

The Monday after FD we left Fred and Cheryl and went south to San Diego to see our son, Jamie who is stationed there. He took us to

Tijuana.....(it's all true...no matter what you have heard about TJ....it's all true!) for some silver and a bottle of Tequila for Fran, KA3WTF. Then we were back on the road late Tuesday evening headed for Washington (state) and a visit with my family.

Originally we decided to take the Pacific Coast Highway, but took I-5 up the center of California instead. (We were the fast moving white Sabaru Outback, not to be confused with the slow moving white Ford Bronco on the 5 Freeway). About 6 AM on Wednesday we rolled through Sacramento....I was going to stop by Jim Cates' (WA6GER) place but figured he probably didn't have the coffee on that early! 31 hours later we pulled into Colfax, WA with less than 1 gallon of gas in the tank! Tricia had failed to gas when we came across the Columbia River so we limped into Colfax, praying we didn't run out of fuel.

After a two day stay with my 95 year old aunt, (we gave her a birthday party celebrating her 95th year on Earth) we headed for Coeur d' Alene Lake and WB7NLR's lake home in northern Idaho. We stayed with Dick and Shorty (his wife) for a day and a half, had loads of fun (Tricia was treated to all of Shorty's stories about yours truly during my early years) and then sent out on the last leg of our trip. On up through Sandpoint and Bonners Ferry, Idaho and into Canada.

We took a right turn at Cranbrook, BC and headed East via the trans Canada highway. Unfortunately we did not get to Calgary or Banff, but next time we are through that area we will be sure to take in the sights. We drove, non-stop except for fuel and driver changes to Niagara Falls, arriving there at 0400 EDT on Wednesday, July 3. Having never been at the falls before, I was driving around, dog tired, looking for the bloody things! I could hear them but I couldn't see them! Alas, the arms of Morphiuous were calling me, so we found a parking area for campers and we slept in the Outback until about 9 AM. After a quick drive to the falls area, we got out, shot the obligatory pictures, had breakfast and headed across the US border into Buffalo, NY.

We arrived back in Wilkes-Barre, PA about 8 PM at night on Wednesday. There were no cop cars or fire engines in front of our house. No yellow "Police Line....do not cross" tape on the porch....just big old furry Oki Kuma, our year old Alaskan Malamute pup to welcome us home.

THE STATS

Total mileage: 8122 miles

Gas mileage: Average 26.8 MPG

Total QSOs: 23

(5 two-way QRP, 2 mobile-to-mobile)

Thanks to the RAC contest on Canada Day (July 1st) I was able to log several more QSOs.

Gear: Nor-Cal 40-A by Wilderness Radio, Whiterook paddles, Hamstick 40 mtr mobile antenna on roof rack, Atomic Keyer.

Comments: due to a highly erratic operating schedule I was unable to make the number of QSOs I would have liked to make. Several times I was on the radio and 40 seemed absolutely dead. When working AA4XX and KA3WTF I noticed lots of hash, most likely from subsystems in the Outback. A hash filter will be added to the power line in the back of the cargo space. I think that a more efficient antenna system would have made a big difference. Not that the Hamstick antenna was a bad antenna, its just that something on the order of the old "Bug Catcher" style antenna would ;have been more efficient. It was fun. I will be continuing with HF mobile operations and I learned a lot from this little adventure.

QSL cards are being printed and will be sent to those whom I logged ASAP. If you heard me on the air from the Outback but were unsuccessful in making two way contact, send me an e-mail with the date, time and freq and I'll butt it up against my logs...if it is a match, I'll send you a SWL QSL card.

72 es 73 to all

rich K7YHA

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Peter Simpson/US/3Com <Peter_Simpson@3mail.3Com.COM>
Subject: [704] Kepro still sells a PCB shear!
Message-ID: <9607101553.AA3442@hqsmtp2.ops.3com.com>

A call to Kepro (Thanks to Stan, AK0B, for the manufacturer's name) in Fenton, MO (800-325-3878) confirmed that they still manufacture the model MS-6 benchtop PCB shear I crave. It retails for \$525. They take Visa, MC, etc. Once you've used one of these things, you'll understand why I think it's worth the money. Clean, precise cuts in PCB and light sheet metal. I managed to convince my previous employer to buy one, and I got to see how it holds up under heavy lab use...very well!

Now, all I have to do, is to manage to get one without getting yelled at by the family treasurer :-)

Thanks for all the help, guys!

Peter, KA1AXY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Charles Brown <maf00035@maf.mobile.al.us>
Subject: [682] Low Pass Filter
Message-ID: <Pine.SOL.3.91.960710060200.26488A@ns1>

>From: Ray Anderson <Raymond.Anderson@Eng.Sun.COM>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Subject: QRM from touch-sensitive lamp

QRM Gurus:

I received the attached e-mail from Bob, AG8T a fellow worker here at Sun. Not having any experience with these touch-sensitive lamps, I was wondering if any of the qrp-1 group had any insight into his problem.

Thanks in advance for any help!

72's, Ray WB6TPU
raymonda@radium.eng.sun.com

=====

Ray,
QST magazine, APRIL 1995 Page 72 and 73 "Low-Pass Filter Cures Touch-Lamp Interference" requires building a small filter with 4 parts.

Send me your mail address if you can't find QST.
Ken
N4SO maf00035@maf.mobile.al.us

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [706] MF8CCN
Message-ID: <Pine.GSO.3.93.960710130511.2021A-100000@orichalc.acsu.buffalo.edu>

Hello,
does anyone have a source for the National Semiconductor MFC8CCN.
It is a switched capacitor filter IC. I am getting a ten tec 509
and I think I will need to build a scf filter so I can filter out the
crud. I need two of these guys.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Bob White" <Bob_White@CCMAIL.sms.lmco.com>
Subject: [705] Milliwatting Field Day
Message-ID: <9606108370.AA837027350@CCMAIL.sms.lmco.com>

I am looking for Field Day reports for the QQ Milliwatting column.
Did anyone attempt to work Field Day at less than one watt? If so
please send a report of stations worked and equipment used to:

bob.white@ccmail.sms.lmco.com

Thanks,

Bob White W03B WASTP=41.88W

1996 400mW TMPS Qs=94 States=29 Confirmed=12 DX=4
AL CA CO CT FL GA IA IL IN KS LA MA MD ME MI MN NC
NE NH NY OH OR TN TX UT VA VT WI WV

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [710] Modifying the ARK-20 finals
Message-ID: <31e3ec9c.pandora@pandora.lugs.org.sg>

Hi Dick,

I hope it's not too much to ask but I wonder if you could advise me as
to how I could modify the finals of the ARK-20 for an output of closer to 7
or 8 watts? I've really tried on my own but don't seem to be successful so I
would really appreciate it if you could spare me a few moments to e-mail me
some advise.

Here's what I've tried. I figure that the ARK-20 has an output of say 3 watts nominal so the Z_o would be given by:-

$$Z_o = (V_{cc})^2 / (2 \times 3) = 24 \text{ ohms}$$

The output transformer looks like a 1:4 transformer though it's not very conventional in the way it was connected, so I guess the input impedance to the double-pi filter is around 96 ohms which gets transformed into 50 ohms at the output.

I wanted a 7 watt output so my Z_o should be:-

$$Z_o = 144 / (2 \times 7) = 10.3 \text{ ohms (approx)}$$

Since the input to the filter sees 96 ohms, I will need a 1:9 transformer to turn the 10.3 ohms to 90 ohms which is closer to the filter input impedance. So I wind myself a quadrifilar 1:9 transformer and put it in. No increased output power, and in fact lower output power.

Okay, I figure, maybe the MRF476 (now using a 2SC1678 with slightly higher rating and better gain) cannot deliver the current for the driven input. Still I should see higher power given the lower output impedance. So where did I go wrong in the line of reasoning here?

From your opinion, what is the correct way to modify the circuit for additional output power without using an extra stage of amplification? I suppose that a higher gain transistor would be needed to provide the additional drive current? Please advise. My ARK-20 is lying on my table awaiting your response. Thanks.

73 de 9V1ZV Daniel

p.s. Would advise any other advise as well

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Frank" <g3ycc@enterprise.net>
Subject: [707] New idea?
Message-ID: <199607101826.SAA27261@mail.enterprise.net>

Got a new (or old) idea to pass on? Antenna tip - shack aid - whatever - please
let me have info and will add on to my pages. Your help would be

appreciated.

Bye.

--

Frank G3YCC

Ham Radio QRP Web Page:

<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: wq8q@juno.com

Subject: [692] Norcal Criticism

Message-ID: <19960710.084636.7335.3.wq8q@juno.com>

There seems to be a thread on this group that NorCal is God Most High on Valhalla and above criticism. WHY?

If I send money to order a product, any product, I expect value in return . . . I don't care whether it is profit or non-profit . . . and if NorCal doesn't always produce what they claim, then this discussion group is the place to find it out.

I'm thankful to those who have come forward with complaints and concerns about NorCal's kits . . . that way I can make an educated decision about where I wish to spend my money.

And remember, NorCal is in CALIFORNIA, for goodness' sake, and if you send them money and the state falls off into the ocean, THEN where will you be?

73 de Rick, WQ8Q
Cincinnati

(Okay, I know things aren't perfect all over: California could fall into the ocean, but we've got Marge Schott)

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: n5zgt@swcp.com (Brian Mileschosky)

Subject: [715] NorCal Criticism

Message-ID: <199607101838.MAA20000@kitsune.swcp.com>

Hello Everybody,

Well, I didn't really want to get into this little debate, but looks like I should go ahead and voice my opinion.

Keep in mind that NorCal isn't really a business! It is a group of people who try to provide us QRPers with kits, publications (QRPp), and fun. These

people don't JUST do NorCal stuff. They, too, have jobs and social lives like the rest of us!

As a result of that, EVERYTHING cannot be perfect. There are mistakes at some times (Not just for NorCal, but for everything), and everybody has to get used to that.

I had the great opportunity to visit with Doug while he was in town for the QRP To The Field contest, and he is a great gentleman. He knows how to run a club, and how to run one so people keep coming back! And they have my "business" all the way. If you have any problems, let one of the people at NorCal know!

Just think. A few people supplying what all of us QRPers demand. It doesn't work that easy, so things do slow down or get a bit messed up from time to time.

I hate to say this, but if you have your own ideas and think things should be done RIGHT AWAY, ALL the time, with NO mistakes, why don't YOU offer to help NorCal put together kits, sell them, send them off and do everything else. You will quickly see it is not the easiest job to do in the world.

But for now, have a little patience! NorCal is a GREAT club, and I have gotten complete satisfaction from Doug and the rest from NorCal. My QRPP arrived a bit late (Due to printing, etc), but it sure is worth the wait. These people put out fine equipment and have a great service to this part of the hobby - QRP/QRPP.

Just my 2 cents worth. Thanks for reading!

72,

Brian, N5ZGT

Boy Scouts of America
JASM -Troop 41
Albuquerque, N.M.
O.A. Lodge 66 <-W-W-W-<<

Amateur Radio - N5ZGT
ARRL QRP: NorCal# 1700 QRP-L# 580
Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA
Internet: n5zgt@swcp.com

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: wq8q@juno.com

Subject: [702] NW 80/20 Transceiver

Message-ID: <19960710.113625.9367.0.wq8q@juno.com>

Okay, guys, just got all the stuff I need to build the NW 80/20 transceiver for 30 meters from Dan's. Hopefully I'll have some time to start on the project . . . looks like a pretty good deal for \$60.00 . . . Includes the RIT and Active Filter . . .

By the way, only about 10 days from mailing him a check to receiving the

kit by priority mail.

I'll keep you posted on the progress.

73 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [714] Ooops. Santa Monica CA wins.
Message-ID: <199607101835.SAA15779@chuck.dallas.sgi.com>

Group. Sorry for the change. I'll be in Santa Monica CA
which is just a LITTLE further away from San Mateo CA. :-)

The best laid plans get changed. So the Bay Area crowd can
meet and laugh about my not being there again. :-)

So, the LAX area gang is now forwarned. I'll be at the
Radisson Huntley on 2nd and Wilshire just so you'll have some
idea just how close I am in your neighborhood. This trip
starts on Sunday.

I get to the bay area now on the 28th and leave on the 2nd of
Aug. We'll do dinner during that week. Wayne Burdick's
suggested eatery on Tuesday July 30th.

dit dit de K5FO/6 somewhere in CA. Gives new meaning to the
term foxhunt.

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=055 States=27 Confirmed=14 DX=02 (0.95W)
AL AZ CA CO DC DE FL GA IA IL IN MD MI MO
NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Steve, N2MNN" <n2mnn@openix.com>
Subject: [742] Propagation
Message-ID: <199607110344.XAA23831@pantera.openix.com>

Just heard at 3:10 UTC from NJ a KH6 (599), in QSO with an NL7 (569) on 7.040.
Been a Ham for 5 years and I've never heard 40M so good. Then a G3 along

with myself (1 Watt) tried to call the KH6, but he had left by then. Thats when AA4XX showed up and called the G3. Paul do you realize what we missed?

Steve, N2MNN

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: SEEP64A@prodigy.com (MR DAVID M LOCKARD)
Subject: [743] qrp
Message-ID: <199607110340.XAA08980@mime2.prodigy.com>

Hello my name is David Lockard KG8WH please subscribe me, thanks.

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: gss@ahipc.eds.com (Gary Schiltz)
Subject: [719] QRP on TS-520S?
Message-ID: <199607102005.QAA21502@tali.ahipc.eds.com>

Does anyone know if a Kenwood TS-520S can be throttled down to QRP levels? I've had one for a number of years as my primary rig, and until I got interested in QRP, I hadn't given it much thought (with the antenna I have, even its 160 watts on CW goes out like a QRP signal :-). The manual isn't very clear; the only reference to low power operation talks about an adaptor that can be used to bring it down to a "novice power level" of 75 watts.

72 es 73 de N8RUY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: rflight@VNET.IBM.COM
Subject: [700] QRP vs QRO opinions! (The NorCal Thread)
Message-ID: <199607101514.LAA30001@nss2.CC.Lehigh.EDU>

Opinions are like QRP rigs... Everybody (on this list anyway) has one!

Golly Dave... I didn't know CPA's had bad hair days....

This is fun reading guys... I hope you keep it civil. I happen to agree with you both, and much to their credit... and very very much to our benefit, the NorCalawonians or thick skinned on such matters. I just completed a stint as Treasurer for a local radio club, and I survived... scarred just a bit, but I still love these folks.... "even the dull and the ignorant... They too have their story." The treasurer has the responsibility... part of that role is to take the heat. Let's not burden our NorCal friends with a compelling need to focus their energies toward a defense.

After several generations of kit offerings, Tim wasn't the first to complain. Some of the complaints were likely counterproductive. But.... They didn't let it defeat them. You're a CPA Dave... You know that's the formula for success in any business. And yes.... they are running a business. It is a not-for-profit business, it is for other than monetary reward, but it is indeed a business. They have absorbed the cost of some of their blunders of the past, and we support your gracious defense of their egos.

Tim is quite right also... He just crossed his threshold of pain. He too had a bad hair day:-)

We all blunder when we set out to do great things. "Show me a man who has never made a mistake, and I'll show you a man who isn't doing anything!"

Tim supports you also. You just read too fast:

"I WOULD buy a Norcal kit again. Screw-ups do happen, it just happened to be my turn."

It's ironic that the BEST feedback is frequently loaded with emotion. Outrage is the body language that communicates value, significance, or importance. No organization can hope to gain insight into the value of their efforts if their customers are invisible and remain passive. The "Engineers" at NorCal give it their best shot... and regularly take some bold risks (group buys) without any guarantee of recovery.

It has been a formula for success... for us if not for them. They would likely share with you that the returns (in knowledge and experience) have more than compensated them for that risk. We would never have seen the 40-9er contest at Dayton if they believed otherwise. Recall that the 40-9er was the result of complaints (which they wisely chose to call "comments") borne out of the 95 contest.

They know that the way to please their customers is to "hit them in the sweet spot". From what I've observed; they do better than many businesses in that regard. They are certainly not short on marketing savvy.

And Dave... When you get that windfall that you want to put toward a sure bet... Bet that NorCal is listening much closer to the Tim's on this list than they are to the Dave's... You are obviously satisfied with status quo. Any improvement is only going to delight you:-)

I feel comfortable that I share the sentiment of most who remain tethered to this list when I say:

"I sure am glad that NorCal is flame retardant"

I am in violent agreement with your final comments however:

"Give me a break! Lighten up Tim!

and I would add:

Give me a break! Lighten up Dave!

The thread has been a good debate to follow... Keep it civil, don't get hostile, use "shift, then stroke the numbers" in lieu of expletives, and those of us who wish to tag along will become richer for it. "The whole is greater than the sum of it's parts".

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Art Searle <asearle@netusa.net>
Subject: [686] QRPP! What's that!
Message-ID: <31E3C271.59FA@netusa.net>

I have not received my issue of QRPP and I don't miss it. No, I'm not being critical. You see, I've never gotten one so I don't know what I'm missing, yet. Is it any good? I do hope they haven't forgotten me or maybe snailmail takes a long time to get to this rare DX spot, Isle de Long, NY.

72, de Art

P.S. One of my old callsigns was KG2A when 2x1s first came out. I would get some interesting pileups going and I put "Isle de Long" on my QSLs.

WU2K TMPS 1996 Qs=051 States=0 Confirmed=0 DX=044 (5 watts)
3B8,5N,6W,6Y,8P,9H,9L,CM,CY0,DL

EA8,EI,ER,ES,EU,F,FG,G,GM,HA
HB0,HC,HI,HK0S,I,KP4,LA,LU,LZ,OK
OM,ON,OZ,S5,SP,TI,UR,VE,XE,YO
YU,Z3,ZF,ZL

--

Art Searle, WU2K, NY, ARRL Life Member, QRP-L #524, QRP ARCI #9123
NorCal pending, DXCC MX & CW HR , NRA Benefactor Life Member,
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club
Yosemite Sam "I'm a rootin' tootin' shootin' son of a gun"

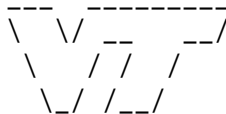
From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: pelt@vt.edu (Randy Pelt)
Subject: [718] QST Index 1972 to Present
Message-ID: <v01540b01ae097c35641d@[198.82.152.40]>

I have compiled the indexes for QST from Jan 1972 to date. It is in Excel.
I'll be glad to send it to someone who has a web page and can set it up so
that anyone who might be interested can download it.

If you are interested in posting it to your homepage, let me know and we'll
figure out how to send it to you. It is BIG!

72/3

Ranson J. Pelt
pelt@vt.edu
QST de w4wyt Semper Fi
ex-nz4i



From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [722] Quick Review
Message-ID: <199607102150.VAA16820@chuck.dallas.sgi.com>

Gang,

Just a quick review of some helpful stuff that you probably forgot.

1. The email address for the group is QRP-L@LEHIGH.EDU
2. The email address for server commands is LISTSERV@LEHIGH.EDU

It's important not to confuse these. They are unique.

3. When you joined you got a welcome message. Oh, you don't have it? Then to get it again (and it has some important info) then send email to listserv@lehigh.edu (note: I quit shouting but remember that is a lowercase L) with the following in the body

```
get qrp-l welcome.txt
```

or

```
get qrp-l/ welcome.txt
```

4. You now want to get a list of everything that is available from Lehigh relative to QRP-L

Send the following to listserv@lehigh.edu

```
index qrp-l -all
```

This will get you back 1560 lines or 60,389 characters showing a lot of directories and a lot of files. This list has talked about everything about QRP and then some.

5. Now browse through the index. You see something you want, then again to listserv@lehigh.edu send a message with the body containing

```
get qrp-l/directory filename
```

for instance you want the qrpp.index in directory qrp-l/books, then

```
get qrp-l/books qrpp.index
```

In fact you can get all the postings to this group from day 1 by doing

```
get qrp-l/archives/1993 930406
```

and repeating this for each day 930407, 930408, , 931230 to get all of 1993 and then go to 1994, 1995, and 1996

If you do this then 1. you have too much time on your hands and

2. congratulations you have just gotten 1,238,559 lines or

53,152,721 bytes on your hard drive used up if you save it all. :-)

Be sure to unsubscribe to the list when you are about to change providers, jobs, or whatever. If your email address changes and your mail to the old address bounces then you will be dropped automatically.

Also, if you get a number, via the listserv@lehigh.edu address you send:

```
run qrp-l x getnr your_callsign
```

like

```
run qrp-l x getnr K5F0
```

you will have a permanent QRP-L number. You need this for Dayton and other gatherings. Maybe for the foxhunts and other activities. Get 'em while they are small.

6. Say, you worked someone on 30M and you wanna see how far you got?
No problem. Send email to listserv@lehigh.edu with

```
run qrp-l x calls2dist your_call other_call
```

You will get back email showing current FCC mailing address (oh, sorry this requires both calls be US hams. there is no global database for all hams in the world other than The Callbook) and the distance from you to the other station.

You can put more than one line in the mail to listserv and you will get back a separate email for each station worked. No more reaching for the atlas and the computer to figure this out.

OK, just a quickie guide to some stuff you might could use on this list.

dit dit

--

Chuck Adams (K5F0 CP-60) adams@sgi.com

K5F0 TMPS 1996 Qs=055 States=27 Confirmed=14 DX=02 (0.95W)

AL AZ CA CO DC DE FL GA IA IL IN MD MI MO

NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: herr@ridgecrest.ca.us (Michael Herr)

Subject: [736] Results of the great BSA Troop 3 canoe trip

Message-ID: <v01530500ae0af7524fbd@[199.120.150.73]>

The Great BSA Troop 3 Canoe Trip Report

The great canoe trip is over and was a great success! I have put together a diary of what happened. Russ is putting it on the Adventure Radio Society page. It is quite long and don't want to eat up the bandwidth on the list. Here is a short excerpt of the trip.

Equipment:

NorCal 40 (original model) with KC-1
40 meter dipole, using RG-174 and kite string
Whiterook paddle and straight key
9 cell AA battery pack
ICOM IC-micro 2AT

Hams: WA6ARA (Mike), KD6RCW (Brian), and KA7ULQ (Steve)

Worked (40 cw):

WA6HYB/QRP in Oceanside, CA
KD7SV in Seattle (two way Norcal 40 QSO)
KC6VSU in San Francisco, CA
N6GKC in Palo Alto, CA.
KI6SN (wasn't able to complete QSO due to band)
W7ZFG in Albuquerque, NM
WA6BBA in Santa Ana, CA.
NF0Z in Colorado (passed traffic for us)

Lessons Learned:

Would I do it over again, you bet! I had a ball, even with the wind on the one day. There is a satisfaction on transversing a distance with your own power, caring all you need, depending upon your self for all your needs. I think for the boys it is also a growth experience, one where self reliance is learned. Certainly that would never be learned on a computer game. Team work is learned and practice.

I found that ham radio, both hf and vhf, can be very useful to carry along. Putting progress reports on the Internet didn't work out as expected but is still a good idea, just need more folks and better scheduling. I thought about using RS-12 as the rf link. This was going to take more time to develop so I dropped it for this trip. One possibility would be to set up a long memory keyer with the "bulletin" of the day's events, and have it "broadcasted" over the bird. I haven't played much with RS-12 operations from the bottom of a canyon, might be an interesting experiment. Be aware that camp chores may consume more time than expected. This may drive a drive a later than expected operating time. Schedules are difficult, if not impossible to keep.

After this and other trips I think a different kind of rig might be called for. Consider this. The rig should have it's controls on the top

surface, not the side. The side is fine for putting the rig on a shelf but in the field many times the rig is on the ground, the person sitting above it. It would be nice not to have so many peripherals, i.e. battery, keys, etc. All of these should be mounted in the box it's self. The box should be self closing. What I mean is that a lid should close off the box, with out connectors in the side. The lid could contain the antenna and earphones. On the top surface of the rig, after the lid is removed, is the controls, keys, antenna connections, etc. Any thoughts?

72

Mike WA6ARA

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: Dan Keen <70731.722@compuserve.com>

Subject: [674] S&S DVFO Review [Long]

Message-ID: <960710042054_70731.722_EHM110-1@CompuServe.COM>

> From: "Robert J. Gobrick" <rgobrick@nfld.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Subject: S&S DVFO Review [Long]

>

> I wonder if anyone noticed that Bruce is using that "reviewers" ploy
> of working another noteworthy QRP writer for one of his first contacts on
> the TAC-1 - Bruce claimed that he worked QRP product reviewer Jeff Gold
> AC4HF on his first contact - do you REALLY think that us QRPers REALLY
> believe that - I think these QRP writers must make cellular phone calls to
> each other to set up a "first QSO with a new QRP rig" sked...

A difficult QSO for Bruce because the skip was in from the Middle Orient and King Hussein kept trying to break in from JY.

DAN KN6TM

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: ab174@rgfn.epcc.Edu (Anibal Perez)

Subject: [677] Ten Tec Argonaut 505

Message-ID: <9607100520.AA27412@rgfn.epcc.Edu>

Hi....

I'm the owner of a Ten-Tec Argonaut 505...Would like to know
If I can get parts for it still..
Or any T-T experts for advice thanks ahead....

--

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Dennis Terribile <wr4i@nando.net>
Subject: [703] Ten-Tec AC5 tuner..??
Message-ID: <199607101548.LAA23149@parsifal.nando.net>

Hi All..

I acquired a unique AC5 Tuner as part of a Argo 509 deal sometime ago. Does anyone have one that can tell me how this thing works? There is no top on it. Just four wires with gator clips that you are supposed to put on taps on a coil. This thing is OLD but in good shape. I'm sure I could fiddle with it and figure it out, but the permutations of 4-wires to 20 taps or so could take awhile.n<g>.

Thanks!

72,Dennis,WR4i

wr4i@nando.net

Chapel Hill, N.C.

..life is too short to spend in front of a TV. Get on your PC instead :)

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Brad Mugleston <bmug@gw1.com>
Subject: [724] Thanks
Message-ID: <199607102213.AA02440@gp-ipc97.gw1.com>

What a great group this is. I am working on catching up on reading my Digests and wouldn't you know it - some one asked my question on G5RV's the day before I did - you guys are great, I dont have the time to ask my question so someone does it for me.

I did get my antenna working. Per the Antenna West instructions no coax feed line is needed but Glenn AEoQ/V31RY told me to use about 25 feet of the stuff and sure enough now I can tune in to about 1.2:1 on all bands but 17M. Boy was I excited and my XLY likes the fact I don't need to get back on the roof of the

house real soon.

Thanks again for all the help.

de KBØROL, Brad

PS got my JUNO address - KBØROL@JUNO.COM - neat...

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: dcscott@ix.netcom.com (Dale Scott)
Subject: [676] Thanks for 49er Help
Message-ID: <199607100433.VAA19118@dfw-ix3.ix.netcom.com>

A heartfelt thanks to the MANY of you who responded to my request for troubleshooting tips for the 49er. You've given me enough suggestions to keep me busy until the next solar cycle! Ironically my QRPP showed up today with the very info I was seeking. Again thank you all.
72/73 de Dale/kc7khd

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Ron Giuntini <rong@slip.net>
Subject: [675] Tuners for QRP
Message-ID: <E0udqp9-0000SA-00@mouse.slip.net>

Since I missed out on the St. Louis Tuner I am in need of a qrp tuner preferably a kit. Does anybody know of any kits available? Or is Wilderness going to market the St Louis tuner? Any ideas? Thanks. Also thanks to Jim Cates for all his good efforts on the St Louis Tuner. I'm just sorry I found out about it too late. Is a MFJ 949E suitable for QRP? A 971 seems pricey. How about a 941? Has anyone built the tuner kit offered by Dan's Small Parts and Kits?

Ron KB6GK
NorCal #1718
San Francisco

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Paul Stroud <aa4xx@nando.net>
Subject: [739] Ukrainian Project
Message-ID: <31E46B9A.56EB@nando.net>

Dear Gang,

Thank you all for your comments regarding assistance with the shipment of ham related periodicals to Ukraine. The response has been overwhelming and is much appreciated.

Please do not send us any periodicals or donations at this time. We need some time to develop a basic plan on how to process the materials before we proceed any further. We'll certainly keep you posted on developments. You guys make me proud to call myself a QRP'er!

72,
Paul

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: torell@sicom.com (Kent Torell)
Subject: [720] Upcoming solar storm
Message-ID: <v02130500ae09bc04f717@[192.91.202.41]>

This forecast is based on the assumption that the sun did indeed throw off a large coronal mass...we won't know until it gets here (or doesn't get here...)

Also, this is a good chance for possible aurora. Details appended below. Excerpted from Cary Oler's STD forecasts.

POTENTIAL GEOMAGNETIC STORM WARNING

ISSUED: 18:20 UT, 10 JULY

(See Appended Comments for Synoptic Information)

HIGH RISK PERIOD: 11 - 12 July (UT days)
MODERATE RISK PERIOD: 11 - 13 July

POTENTIAL LOW-MIDDLE LATITUDE STORM INTENSITY: MINOR - WEAK MAJOR
POTENTIAL HIGH LATITUDE STORM INTENSITY: MINOR - MAJOR

POTENTIAL DURATION OF GEOMAGNETIC STORM: APPROX 24 HOURS
DURATION OF MAIN BELT OF ACTIVITY: 12 TO 18 HOURS

POTENTIAL PEAK LOW-MIDDLE LATITUDE K-INDEX VALUES: 6
POTENTIAL PEAK HIGH LATITUDE K-INDEX VALUES: 7

EXPECTED DOMINATING LOW-MIDDLE LATITUDE K-INDEX: 4 - 5
EXPECTED DOMINATING HIGH LATITUDE K-INDEX: 5

POTENTIAL FOR LOW LATITUDE HF DEGRADATION: LOW
POTENTIAL SEVERITY OF HF DEGRADATION: MINOR
EXPECTED HF PROPAGATION CONDITIONS: GOOD TO OCCASIONALLY FAIR

POTENTIAL FOR MIDDLE LATITUDE HF DEGRADATION: MODERATE
POTENTIAL SEVERITY OF HF DEGRADATION: MINOR
EXPECTED HF PROPAGATION CONDITIONS: FAIR TO POOR
(WITH BRIEF VERY POOR PERIODS)

POTENTIAL FOR HIGH LATITUDE HF DEGRADATION: MODERATE TO HIGH
POTENTIAL SEVERITY OF HF DEGRADATION: STRONG MINOR TO MAJOR
EXPECTED HF PROPAGATION CONDITIONS: POOR TO PERIODICALLY
NEAR-USELESS

POTENTIAL RISK FOR GEOSYNCHRONOUS MAGNETOPAUSE CROSSINGS: 35% PROBABLE

SUSPECTED SOURCE OF OBSERVED/EXPECTED ACTIVITY:
Major class X2.5/1B tenflare from solar Region 7978 on 09 July.

EST. POTENTIAL GEOMAGNETIC IMPACT

SEVERE STORM : 05 %
MAJOR STORM : 25 %
MINOR STORM : 35 %
ACTIVE OR LESS : 35 %

PROBABLE SI ASSOCIATION : OBSERVED

EST. POTENTIAL IONOSPHERIC IMPACT

LOW LATITUDES : NIL - MINOR
MIDDLE LATITUDES : MINOR
HIGH LATITUDES : MINOR - MAJOR
POLAR LATITUDES : MINOR - MAJOR

ESTIMATED GLOBAL IMPACT: STRONG MINOR

ESTIMATED FORECAST PEAK PLANETARY 24-HOUR A-INDEX DURING STORM: 33

COMMENTS:

A coronal mass ejection from the class X2.6/1B tenflare of 09 July is expected to arrive in the early to mid-day hours of 11 July (presently estimated near 09:00 UTC). It may produce periods of minor to major storming over the high and middle latitude regions.

Aurora forecast excerpts:

POTENTIAL MAGNITUDE OF MIDDLE LATITUDE AURORAL ACTIVITY: MODERATE

ESTIMATED OPTIMUM OBSERVING CONDITIONS: NEAR LOCAL MIDNIGHT

EXPECTED LUNAR INTERFERENCE: LOW TO NIL

OVERALL OPPORTUNITY FOR OBSERVATIONS FROM MIDDLE LATITUDES: FAIR TO GOOD

AURORAL ACTIVITY MAY BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

NORTHERN OREGON TO SOUTHERN IDAHO TO NORTHERN WYOMING TO SOUTH DAKOTA
TO NORTHERN IOWA TO SOUTHERN WISCONSIN TO SOUTHERN MICHIGAN TO
PERHAPS AS FAR SOUTH AS CONNECTICUT AND RHODE ISLAND DURING THE MAIN
PHASE OF THE STORM.

ACTIVITY MAY ALSO BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

UNITED KINGDOM AND NORTHERN FRANCE THROUGHOUT EXTREME NORTHERN
EUROPE, INCLUDING ALL OF NORWAY, SWEDEN AND FINLAND TO NORTHERN
RUSSIA. NEW ZEALAND SHOULD ALSO OBSERVE ACTIVITY AS WELL AS
SOUTHERN PARTS OF AUSTRALIA IF THE STORM MATERIALIZES AS EXPECTED.

Kent Torell torell@sicom.com 602-483-2867 x40
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A Tmps 1996 Qs=014 States=11 Confirmed=01 DX=01
AK AZ CA CO HI ID KS OK OR TX WA
VE

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Art Searle <asearle@netusa.net>
Subject: [685] Vertical opinions
Message-ID: <31E3BF60.4F2E@netusa.net>

Hi Gang:

I thought the following might be useful. I didn't take part in this
survey but I do own and like my Cushcraft R7000 very much.

>Brent Smith wrote:

>

> Summary of commercial vertical antenna opinions received by K04PY 7/9/96

>

> About 20 responses were received (W4FOA, W4ZYT, OZ8RO, AA8GL, K2SD,
> W1XT, AA4V, K3DI, KD4SKW, KR4GJ, AB5EA, AB4PY, W8WEJ, KG2FH, N6VB,
> W7TSQ, K4MZW, W4BKX, KR4GJ, maybe others - I hope I did not forget
> any). Each comment below represents an individual comment, not
> consensus. The number of times each comment was received is given
> in (#) after the comment. Heights and weights of ant's are very

> approximate and rounded off, and the prices are lowest price I saw based
> on a very quick look in catalogs.
>
> Some general comments observations were that none of the verticals
> are really very good (1), and that wire antennas are more effective
> and easier to work with (4). All work better w/radials no matter
> what the claims say (1). "Plus WARC" often does not include 30
> meters (1). There are two useful web sites (1 each)
> <http://www.primenet.com/~bmyers/> and <http://www.cushcraft.com>
> Gladiator and Fritzel make good verticals, too (1 each).
>
> As to specific comments on antennas (in alphabetical order) ...
>
> Butternut HF6VX - \$200, 26', 12#, 80 thru 10 meters plus WARC
> Best overall choice (2)
> Travels well (1)
> Better value / more cost-effective than Cushcraft R7
> Durable (8 years / no problems) (1)
> Performs well (3)
> Performance was not good (1)
> Radials needed for acceptable performance (1)
> No barefoot RFI problems - some RFI when running power (2)
>
> Cushcraft R7/R7000 - \$380, 25', 13#, 40 thru 10 plus WARC
> Widely used and users well pleased w/performance (9)
> Travels well (3)
> PVC pipe carrier is easy to make and works well (3)
> Easy and quick to set up and tune (4)
> Very difficult to tune (1)
> Relatively expensive - too expensive for what it is (2)
> TVI/RFI galore (2)
> Factory was very cooperative when kit was defective (1)
> Be sure to measure all dimensions, not just mark or paint (1)
> Good mechanical design (1)
> Good bandwidth except only 150 khz on 40 (1)
> Can convert to 80, no radials required (1)
> Performs better if elevated, but not critical (1)
>
> Force 12 - \$180 to \$300 - Info not readily available
> No comments received
>
> GAP DX-VI Eagle (DX-VIII Titan) - \$270 (\$290), 22' (25'), 19# (25#)
> Had bad experience (2)
> Heard that others had bad experience (3)
> Poor performance on Titan (1)
> Not durable (1)
> Not good for temporary use (1)
>

> Hustler 4BTV - \$120, 22', 15#, 40 thru 10 no WARC
 > Best if use a lot of radials (1)
 > Acceptable performance (1)
 >
 > Hy Gain DX-77 - \$330, 29', 40 thru 10 plus WARC
 > Modified Hy Gain 18AVT (to eliminate 10 and 80) is good alternative
 > Modified Hy Gain vert is good performer, w/4 elevated radials
 > My note de K04PY: Most rspondents that mentioned Hy
 > Gain apparently had old Hy Gain ants that they had
 > modified to their own needs)
 >
 > Hytower 18HT - no info available
 > Best choice (1)
 > Requires lots of radials (1)
 >
 > KLM 40-10 V - \$250, 27', 23#, 40 thru 10 meters no WARC
 > No comments received
 >
 > MFJ 1798 - \$250, 80 thru 10 meters
 > Avoid (1)
 >
 > Mosley RV-6 - \$285, 20', 11#, 40 thru 10 plus WARC
 > No comments received
 > -----
 > Forwarded via the Internet DX Mailing List.
 >
 > Submissions: dx@ve7tcp.ampr.org
 > Subscribe/unsubscribe requests: dx-REQUEST@ve7tcp.ampr.org
 > DX info on the Web: <http://ve7tcp.ampr.org/DX/>

72, de Art

WU2K TMPS 1996 Qs=051 States=0 Confirmed=0 DX=044 (5 watts)
 3B8,5N,6W,6Y,8P,9H,9L,CM,CY0,DL
 EA8,EI,ER,ES,EU,F,FG,G,GM,HA
 HB0,HC,HI,HK0S,I,KP4,LA,LU,LZ,OK
 OM,ON,OZ,S5,SP,TI,UR,VE,XE,YO
 YU,Z3,ZF,ZL

--

Art Searle, WU2K, NY, ARRL Life Member, QRP-L #524, QRP ARCI #9123
 NorCal pending, DXCC MX & CW HR , NRA Benefactor Life Member,
 NRA Certified Firearms Instructor, Dale Earnhardt Fan Club
 Yosemite Sam "I'm a rootin' tootin' shootin' son of a gun"

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: Art Searle <asearle@netusa.net>
Subject: [683] Verticals
Message-ID: <31E3BDC5.63B1@netusa.net>

--

Art Searle, WU2K, NY, ARRL Life Member, QRP-L #524, QRP ARCI #9123
NorCal pending, DXCC MX & CW HR , NRA Benefactor Life Member,
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club
Yosemite Sam "I'm a rootin' tootin' shootin' son of a gun"

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [699] WBL Review (revised)
Message-ID: <199607101504.PAA14799@chuck.dallas.sgi.com>

Gang,

Here is the review of the paddle again. I talked to Stan and the single lever model is going away. He has an ingenious method for converting from Iambic to Single and will have one model, the V2L-1 later in the year. He is currently making up a new batch of paddles, so no immediate shipping like before. This group goes through manufacturers stock in a hurry. :-)

Enjoy.

-----cut here-----

K5FO Paddle Review of the WBL Design V2L

MANUFACTURER: WBL Design
ADDRESS: 6345 Coffman Road, Indianapolis, IN 46268-2591

Send a first class stamp with mailing label and I'm sure Stan will send you his flier with photos and details.

OWNER: Stan Hails Jr W9WBL (FCO member)
PHONE: (800) 726-8936 for orders M/C and Visa : No CODs
(317) 291-1738

MODEL NUMBER: V2L Iambic Paddle

PRICE: \$99.00 + \$6.00 S&H

WEIGHT: 44.1 oz

DIMENSIONS OF BASE:

6.5cm x 8.0cm x 8.3cm (LxWxH)

2 1/2" x 3 1/8" x 3 1/4" (LxWxH)

HEIGHT OF BASE ABOVE TABLE:

0.2cm

1/8" supported by four self-adhesive rubber feet

MATERIALS:

Steel base two parts on each side in vertical position with black wrinkle paint (powder coating I think it's called) and both attached to a plexiglass black plastic plate in vertical position in front with polished front face. The plastic component is attached via four screws from the front covered with black covers. Advertising brochure shows bare screws, but this was not the case for this paddle.

Mechanics attached to front face.

ADJUSTMENTS, TOLERANCES, and LOCKING MECHANISM:

This is the closest paddle that I have to perfection in this area. I can't detail the mechanism in the vertical plane of the paddle. It is polished brass bars with steel machine screws. Adjustments can be made while sending, something that I did not have previously and until you have it you don't know what you are missing. This is the first key that I have been able to send over 45 wpm with. This alone is worth the price of admission. The finger pieces are made of polished Cocobolo.

PADDLES SEPARATION:

1/2" to 7/8" in steps of 0.016" increments. Very clever and all parts are included. Uses a tool supplied that is a screwdriver handle with an allen wrench shaft.

The paddles are adjustable in height from near the table to over an inch above the table.

TENSION MECHANISM:

A single spring between the two paddles adjusted by a knob on the right hand side. Tension can be from very light to very heavy with easy adjustment.

CABLING:

Wires attach to the two gold plated RCA phono jacks behind the front plastic plate. I use a 3.5mm stereo plug to dual RCA plugs commonly found at R/S and a 1/4" stereo jack to 3.5mm adapter also found at R/S. This allows me to plug into either the CK-2, MM-3, or CMOS III without worrying about polarity or which plug to use.

QUALITY OF WORKMANSHIP:

Superb. Obviously done by a craftsman and with attention to detail and functionality.

There is no vertical play in the paddles, just like the Kent.

PADDLE INFORMATION:

Has a better feel of any paddles I own and much quieter.

BROCHURE SUMMARY:

- o Solid Gold Contacts from W.E. Alloy #1, 69% gold, 25% silver, 6% platinum
- o Satin Finish Brass Key Assembly
- o All Stainless Steel Screws
- o 2.2 pounds of steel weights directly over key feet for maximum 'walk' resistance
- o Capable of speeds over 50 wpm in experienced hands
- o Easily adjustable contact spacing and spring forces can be 'tweeked' while sending
- o Small 'foot print', only 2 1/2" x 3"
- o Extra removable feet included
- o Gold plated RCA jack outputs for easy keying polarity change
- o Hardwood finger pieces of polished Cocobolo
- o Adjustable finger height
- o Adjustable finger spacing easily changed from 1/2" to 7/8" by 0.016 increments

PERSONAL OBSERVATIONS:

In operation this paddle is a joy. For the serious CW operator this puppy may be the one that remains on the desk.

I can't get all the details without going into a dissertation on the mechanism, but it is ingenious. I am impressed on this one gang.

FYI. Usual disclaimers. No commission checks coming to this QTH. :-)

--

Chuck Adams (K5FO CP-60) adams@sgi.com

K5FO TMPS 1996 Qs=055 States=27 Confirmed=14 DX=02 (0.95W)

AL AZ CA CO DC DE FL GA IA IL IN MD MI MO

NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: william.redfearn.cmwdr01@nt.com

Subject: [691] WTB: CW filter for Argosy

Message-ID: <"15190 Wed Jul 10 07:43:07 1996"@nt.com>

Looking for a 500 Hz CW filter for a Ten-Tec Argosy.
Also interested in an 8 pole 2.4 Hz SSB filter to
replace the stock SSB filter.

I have an extra audio CW filter module for the Argosy to trade.

73 - Dave.

=====
Dave Redfearn, Sr RF Systems Engineer NORTEL RTP, NC.
ph.(919) 992-3925 email: william.redfearn.cmwdr01@nt.com
qrl? de N4ELM/qrp

All opinions are my own, no one else wants them.

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: burdick@interval.com (Wayne Burdick)
Subject: [712] your visit to San Mateo
Message-ID: <v0213050cae09b4132c58@[199.170.106.28]>

Hi Chuck,

Glad to hear that you'll be out this way. I'm resending your message to some of the San Mateo locals who may not have QRP-L access yet.

I propose dinner on Tuesday the 16th, 7PM, at the Good Earth in San Mateo, West Hillsdale and 92. Great food.

73,
Wayne

* * *

Just a warning to Stan Cooper, K4DRD, and the group in the San Mateo CA area. On Sunday I will arrive and be there until Friday staying near Wilshire and 2nd street.

Coming out your way to show people how to do special effects on computers that all that dweeb stuff. Graphics instruction ... :-)

So, let's do dinner. Someone pick a place and time in the area and I'll be there. Prefer Tuesday or Wednesday evening after 6:15pm.

Send me email. Sorry for the bandwidth gang.

dit dit

Oh, and turn up the air conditioning please.
I'm hoping the hotel has a place to put up an antenna
that I can aim west. :-)

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=053 States=25 Confirmed=14 DX=02 (0.95W)
AL AZ CA CO DC DE FL GA IA IL IN MD MI MO
NC OH OK O

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [744] Re: 30M beacon heard
Message-ID: <31E4DF32.22EC@acsu.buffalo.edu>

This guy (or gal) had a beacon on 7.100 last week running 1W. Copy here near
Buffalo was 599 at 2000 UTC.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=122 WAS=27 Confirmed=05 DX=17
142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 V01 VA2 VC2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: dgf@netcom.com (David Feldman)
Subject: [717] Re: Assembling station from 315/200/TX100?
Message-ID: <199607101937.MAA00827@netcom16.netcom.com>

>David, can't help you, but you do have me intrigued. I didn't
>realize that TT goes back that far. I was aware of the PM series,
>but I thought that was the beginning. Apparently not. Let
>me (us?) know your progress. Beyond owning a C22, I'm actually
^^^^^

>more interested in tube and very early solid state rigs.

>

>Cheers/73. Kevin, KB9IUA

>

>On Tue, 9 Jul 1996, David Feldman wrote:

>

>> I'm going to start assembly of a CW station using ten-tec gear from the
>> early 1970s, particularly the 315 receiver, 200 VFO, and TX100 transmitter.
>>

>> Has anyone got any direct experience integrating these pieces? Is full
>> break in possible? Any other comments?

>>

>> Was the 315 considered a contemporary of the TX100, or was the contemporary
>> receiver the "RX10" direct conversion?

>>

>> 73 Dave WB0GAZ dgf@netcom.com

Kevin -

Sorry - I have forwarded this to both qrp-l and the ten-tec list on akorn.net
as I've forgotten where I began. Please excuse the inexcusable!

To the best of my knowledge (someone else please correct me)...

The PM series were the first ten-tec products. The very first ones
were the four QRP modules sold together as the "MR-1" (modular radio-1);
ten-tec also sold the modules together as the "PM-1" (power mite-1) and with
the familiar metal/plastic case as the PM-2 (but labelled on the front PM-1).
All of this was in the 1969-1971 timeframe. There were a few other flavors
of power-mites, but all are qrp & solid state. Some time during about the same
era they released a model RX-10 receiver (direct conversion, covering 80, 40,
20, 15M) and the TX-100 transmitter (tube, CW only, around 50-75 watts input).
The RX-10 and TX-100 were marketed at the same time, it seems competing with
the contemporary Drake 2A and 2NT receiver and transmitter, among other
competing products. After the Argonaut 505 came out (1972) they released another
reciever, the model 315 (AC powered) which is somewhat like an Argonaut without
the transmitting section, and the model 200 VFO (a high-output VFO intended for
use with the TX-100 and other CW transmitters of the time). The 200 and 315
don't appear to have any connections to allow for transceive operation.

As I still haven't been able to find a RX-10 receiver (hint?!? anyone wish
to part with one?), so that's why I wanted to begin by lashing the
315/200/TX-100 together (besides, the three products each have internal
AC power supplies, which I think is also unique in ten-tec's product line).

I never saw another tube product from Ten-Tec until the 425 Titan amplifier
appeared (big \$\$\$).

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: JCoote@aol.com
Subject: [735] Re: Feed lines
Message-ID: <960710211532_235094455@emout13.mail.aol.com>

In a message dated 96-07-09 12:43:34 EDT, SNickrand@aol.com writes:

>Seeing the comments recently posted on this subject brought to mind some
>additional questions. I have a 40 m dipole with 450 ohm feedline. Does
>anyone know how to mate this to a resistive bridge type tuner (a QRP
Delight,
>Oct, '95 73 mag). Someone also mentioned a "z network". What is it, where
>is info? Any comments would be appreciated. Bill Nickrand KB9KOL

You need a balun to mate the 450 ohm (or 300 ohm for that matter) line to an unbalanced tuner. Many hams find that 4:1 baluns are more suitable for use with tuners, that many tuner designs can't 'do high impedances' alone... the balun is a 4:1 stepup from the low Z of the tuner to the often higher Z found on wire antennas.

The "Z network" mentioned was a "Z matching network" which is what all tuners are supposed to do, Z being the electronic abbreviation for impedance. The actual network (inductors, capacitors) in the tuner may be an "L", "T" or "PI" network, so named for the hookup of the components. Nearly all commercial, and many kit tuners use the T network in various forms. The "L" network is great for single random wires and is simple inside, only one coil and one cap. The PI is supposed to be a good network to use in a tuner and is often overlooked.

73, Jay
WB6AAM

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [733] Re: FS: MFJ 941C Tuner
Message-ID: <31E4B84F.367E@acsu.buffalo.edu>

The tuner is sold. Thanks.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>

Subject: [734] Re: FS: MFJ9040
Message-ID: <31E4B87B.6A21@acsu.buffalo.edu>

The rig is sold. Thanks.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [696] Re: Help for Andy and the Ukranian hams
Message-ID: <199607101402.0AA14453@chuck.dallas.sgi.com>

Paul,

Put me in for \$100 and one autographed copy of Paul Harden's book to help Bill N8ET with the shipping. I'll go through the junk box and see what else I can come up with. I urge everyone in the group to help with this project if possible or any other similar project.

One of the things that it is difficult to get across to a lot of people in the ham world is that there are people in this world that need our help and a little will go a long way. These hams don't want fancy Icom's or Yaesu's. A NorCal 40, NE-4040, or any qrp CW rig would be like a new Lexus or Cadillac to some of us.

I know of one other member of the group working on a deal with a group in Pakistan. Also the Rev. George has a project going with getting solar panels to a group in South America.

I send the stuff direct to Bill. Just what he needs is more 'stuff' coming his way. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=055 States=27 Confirmed=14 DX=02 (0.95W)
AL AZ CA CO DC DE FL GA IA IL IN MD MI MO
NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: dgf@netcom.com (David Feldman)
Subject: [732] Re: HW-7 MOD's?
Message-ID: <199607110029.RAA27746@netcom22.netcom.com>

SNickrand@aol.com writes,

>The HW-7 I bought 20 years had a terrible (non-existent) front end. After
>getting back into the hobby after 20 years, I want to rebuild the front end.
> I still have a copy from a Jan, 1974 QST article by Doug DeMaw on just this
>subject. Before embarking on this, I thought I'd see if anyone has seen any
>more recent approaches to accomplishing this task. As good as Doug is, there
>may have been some advances in technology since this article was written.
> Anybody have any ideas or suggestions? KB9KOL

Yes, I have an idea. Doug's articles in the 70s made good sense when all you could find for a cheap radio was a direct conversion box like the HW7 or Ten-Tec Power Mite. Lots of people drilled lots of holes into lots of radios, and what we have now is alot of metal and plastic swiss cheese.

I have a Ten-Tec power mite PM-3A here that is internally more of a HW-8 than a PM-3A, along with a nice giant speaker hole in the top of the cabinet. Makes a nice radio, but hardly classic.

My strongest suggestion is to either keep or sell your HW-7 without modification, and find a modern QRP rig that meets the current state-of-the-art such as a Norcal 40A.

At least, "drill no holes".

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: DYARNES@aol.com
Subject: [680] Re: On Criticizing Norcal
Message-ID: <960710033355_354311383@emout16.mail.aol.com>

Now just hold on one damn minute Timothy! Who do you think you are dealing with? Sears Roebuck?

Sure! You put your money for QRPP in with your check for the Cascade. This made it much easier for you, right? One check instead of two, right? Ah, but how about what it does to their bookkeeping? Now they have to split your check, make notes, keep track of what you have coming, etc.

Actually, I don't have a clue what their system is, but I am reasonably sure it isn't elaborate (although it's been pretty effective). Furthermore, they don't have secretaries and assistants around to whom they can delegate all this bookkeeping, etc. Hell, I'm a CPA and I don't envy them one bit for all the things they have to keep track of. There's no way to prove this of

course, otherwise I would bet lots of money that if you had sent in TWO checks in separate envelopes you would be getting QRPP right now! You are apparently owed a subscription, but don't start thinking you are entitled to damages!

Tim, I'm going to tell you something else that apparently may shock you.

When you send in your money, it's a crapshoot! That's not to say that these guys are going to run off with the cash. That's the last thing you need to worry about! No, it's just that this is a not-for-profit, I say again, not-for-profit operation. It's a best efforts deal, and so far best efforts has been amazing. I understand that the 49er kit production is over 1000 now. Many (most) of those from NorCal I guess, but there are other sources.

Anyway, that's a lot of chances to screw something up! How about the St. Louis Tuner Kit? How about the Cascade? How about the NorCal 40? Man, that's a lot of kits! A lot of mistakes got made and most got corrected. Do you think they have a bunch of management consultants checking their assembly line procedures?

I repeat--it's a crapshoot! You may not get all your parts. Some of your parts may be defective. You might even have to make some calls, write letters, send E-mails, etc. to get corrections. What a shame you are inconvenienced so. Doug and Jim have ALWAYS tried to make everything right.

So far as I know, they have tried to take care of every problem. But they do make mistakes, Tim. They probably even get a little testy once in a while due to the workload. They're not perfect, but they are way ahead of you and me. They even spend their own money to do a lot of the stuff they do for our benefit. I haven't done anything like that lately, have you? They get no salary or compensation of any kind. Remember that.

What are you going to do if a project turns out to be a bust? Let's say some supplier screws us and we all get stuck for a significant cost to replace a part. Are you going to hold Jim and Doug accountable? Are you going to make them dig into their pocket to make you whole? I don't think so!

Tim, if you are worried about sending money to "strangers", don't do it!

These guys will never knowingly screw you, but you just might not get all that you were expecting. Some day something may go badly awry, but it won't be because these guys didn't try their best.

Can we hold NorCal to a "lower" standard? Absolutely! This is not a business. It is only a genuine attempt to be helpful. You are entitled to best efforts, nothing more. If something goes wrong, you lose. It just so happens that NorCal performs at a very high standard, but we have no right to expect it.

Just out of curiosity, what is it that you expect of these folks? You certainly infer that they are not doing everything they should. What should we do about it? Should we punish them? How about if we dock their wages?

(oops, can't do that cuz it's already zero). Let's put them on probation!
Shape up or ship out! Let's counsel them about their attitude too. No more
being testy with the customers! This shit has to cease! What will the
stockholders think?

Ridiculous, right? I agree, but it's not any more ridiculous to my mind than
people who accept the incredible benefits of NorCal and don't even stop to at
least briefly ponder what it must take to make this all happen.

Would you do all this work? Perfectly? And always with a smile? Give me a
break! Lighten up Tim!

72 de David W7AQK

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [693] Re: On Criticizing Norcal
Message-ID: <1.5.4.16.19960710081148.2f67c0fc@206.158.2.1>

How's about we let this thread die or at least have the combatants post
directly to each other and not the whole list!

72/3 de Allen, K9DZE

=====
Allen Jones K9DZE ajones@adsnet.com
Michigan City, Indiana EN61nq
ARCI G-QRP NorCal QRP-L #112
=====

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: David Maliniak <dmalinak@class.org>
Subject: [697] Re: On Criticizing Norcal
Message-ID: <Pine.SUN.3.91.960710065603.13162D-1000000@class.class.org>

Allen: Yes, I agree that the thread should die. However, I'd like to
relate a story for the benefit of the grumblers.

Last year, I purchased a Cascade kit from NorCal. Being a relatively new
ham and even newer hardware hacker, I was having a devil of a time

getting the parts sorted out. So many caps! So in desperation one afternoon, I e-mailed Doug, KI6DS, with a detailed list of questions in the hope that he could possibly shed some light on the murky situation.

That evening, as I labored yet again to puzzle things out for myself, my wife came into the shack with the cordless phone. "Some guy calling himself KI6DS says you'll want to talk to him." It was Doug calling, ON HIS DIME, from California to New Jersey. Doug spent, oh, 45 minutes with me on the phone. He very patiently helped me sort out the parts that were confusing me and wouldn't get off the phone until he was satisfied that I had it right. I didn't ask for or even remotely expect a phone call from Doug.

Today, thanks to help from Doug and from Dave Meacham W6EMD, among others, I am proud to be the owner of a working rig.

This has been MY personal experience of the attention to detail and care and concern that NorCal in general, and Doug in particular, gives to members having difficulties with kits. Just another data point for the multitudes to consider. Yes, these guys are juggling a lot of stuff, and yes, mistakes do get made. But as far as I'm concerned, they've been helpful above and beyond the call of duty.

72 David N2SMH
Glen Rock, NJ

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: n1list@netcom.com (Michael L. Ardai)
Subject: [698] RE: On Criticizing Norcal
Message-ID: <199607101451.HAA12698@netcom5.netcom.com>

Just to toss in my comments. Please remember that we are dealing with an all-volunteer club project here (which is so successful that the quantities produced is staggering...) Before griping about missing a resistor (which, by the way, Doug would send out if you just let him know), try kitting a club project. I have done two projects, with very small runs of only 20 kits each, and it is a lot of work. Given the quality of the Norcal kits and the quantity that they are making, Doug and company are doing a terrific job.

/mike
QRP-NE #3
n1list@netcom.com

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [701] Re: On Criticizing NorCal
Message-ID: <199607101534.IAA08871@dancris.com>

I, too, once had a problem with a NorCal kit...it was resolved quickly and completely to my satisfaction with no fuss on either side. I have also had similar problems with commercial kits, and they, too, were resolved. So what's the big deal. If something you buy isn't perfect or is incomplete, let the vendor know and they will fix it. If they don't, THEN you can complain.

I appreciate all the work that the 'unsung' heroes of NorCal, Qrp-1 and so on do for us. There are a lot of folks out there who maintain lists, web pages, kit rigs and so forth that deserve a lot of credit and seldom get it. Please don't post any more gripes about a problem unless it has not been resolved, then perhaps we need to put some group pressure, as consumers, on the offender by not purchasing from them.

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [741] Re: On Criticizing Norcal
Message-ID: <Pine.LNX.3.91.960710200745.16199B-100000@dt1.datatamers.com>

David,
Well said!
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: rwilcox@newton.cacky.com
Subject: [690] Re: QRM from touch-sensitive lamp
Message-ID: <9607101234.AA23148@newton.cacky.com>

Touch-sensitive lamps are very noisy, at least mine are. Unplug the lamps and see if the noise goes away. I put a power strip on mine so when I want to use the radio I just turn off the strip.

73's Gary

\\|||//
|^ ^|

```

                                (0|0)
/-----o00--( )--00o-----\
| Gary Wilcox (KE4VUN)          E-MAIL: rwilcox@newton.cacky.com|
| Commonwealth Aluminum                          |
| Hwy 1957                      FAX:   (502) 295-5700      |
| Lewisport Ky.                VOICE:  (502) 295-5461      |
\-----000-000-----/

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From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
 From: Kevin Bunin <p014455b@pbfree.net.seflin.lib.fl.us>
 Subject: [738] Re: QRP on TS-520S?
 Message-ID: <Pine.3.89.9607102207.B21801-01000000@pbfree.net.seflin.lib.fl.us>

Hi Gary,
 I have owned a TS 520 for many years and it goes down to 5 watts output according to a VCI Tuner/Wattmeter when you adjust the carrier level all the way down counter clockwise thus removing most of the drive.

If you have reasonably good watt meter, try it and see. I am not familiar with the TS 520S as far as low power levels. Hope this helps. Let me know if it works for you.

73 de Kevin WV5Z

Kevin Bunin
 p014455b@pbfree.net.seflin.lib.fl.us

On Wed, 10 Jul 1996, Gary Schiltz wrote:

```

> Does anyone know if a Kenwood TS-520S can be throttled down
> to QRP levels? I've had one for a number of years as my
> primary rig, and until I got interested in QRP, I hadn't
> given it much thought (with the antenna I have, even its 160
> watts on CW goes out like a QRP signal :-). The manual
> isn't very clear; the only reference to low power operation
> talks about an adaptor that can be used to bring it down to
> a "novice power level" of 75 watts.
>
> ----
>
> 72 es 73 de N8RUY
>

```

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Ahlgren@NCSBSR020U.ntc.nokia.com (Ahlgren Jukka (NTC/BS-0U))
Subject: [681] RE: sk7ax
Message-ID: <1996Jul10.105413.1604.166756@ntcit-mmta7.ntc.nokia.com>

>Hi gang,
>40m is alive and well. A lot less noise today. Worked SK7AX about 10
>minutes ago. I had to increase speed to 30 wpm to snag him!
>I love my Sierra..its 2 watts are plenty.
>BTW where the heck is SK7 anyway...I didn't know which way to point my
>vertical :-)
>
>
>73,
>
>Jim N2GO
>
SK7 is Sweden. SK prefixes are given to club stations (K=Klubb in Swedish).

73, Jukka OH6SC/OH8NGF

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [684] Re: sk7ax
Message-ID: <31E3F6BD.2F24@acsu.buffalo.edu>

Jim,

My DXCC List shows him in Sweden. They have 7S, 8S and SA-SM.

Good snag. I sure do like neat prefixes.

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=111 WAS=27 Confirmed=05 DX=17
HW-9 @ 3W, MFJ941C, 142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 V01 VA2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Subject: [708] Re: Ten-Tec AC5 tuner..??
Message-ID: <10473.837018472@safety.ics.uci.edu>

> I acquired a unique AC5 Tuner as part of a Argo 509 deal sometime ago. Does
> anyone have one that can tell me how this thing works? There is no top on
> it. Just four wires with gator clips that you are supposed to put on taps on
> a coil. This thing is OLD but in good shape. I'm sure I could fiddle with it
> and figure it out, but the permutations of 4-wires to 20 taps or so could
> take awhile.n<g>.

If I recall correctly, this is two L-networks in parallel, using one
dual ganged capacitor. Neat way to do balanced OR unbalanced lines,
just use half or the whole tuner as you would like to!

There was no cover, that is the way it should be. Be careful with the
clips and those connecting wires, they are the ones who take all the
stress.

There is no one way to use the thing. You need to fiddle with it according
to your load, no way around it. I would just look at the thing, hang
the one side close to ground and move the other till I see the SWR
recede.... If you use balanced line, just do the same thing on both
sides of the inductor.

Not too many around, hang onto the little thing!

Clark
WA3JPG

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: k7yha@juno.com (richard h. arland)
Subject: [730] Re: Trees & Antennas
Message-ID: <19960711.010135.4615.9.k7yha@juno.com>

Speaking of trees and antennas....while stationed in the UK during the
mid-80's I ran across a fellow ham who just happened to be a former
member of the British SAS (those are the guys that our Army special
forces and Navy SEALs would like to be!).

He told me of a method that the SAS used of connecting the radio gear to
a tree. Seems that the issued radio gear of that era (mid 1950s to mid
1960s) was all tube type and there was a special device which was
screwed into the base of a tree in the jungle (exactly what type of tree
escapes me at this time....but it was critical to the operation of the

radio gear). The radio was tied into the tree allowing the tree to be used as an antenna. Not all trees were good antennas....anyway, it seems that by loading up the tree the SAS team could maintain radio contact with the support personnel and command staff while deep in triple canopy jungle.

Anyone have any further info about this kind of an antenna system?

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: john andrews <jm165723@eee.org>

Subject: [678] Re: Tuners for QRP

Message-ID: <31E3451E.70D5@eee.org>

Ron Giuntini wrote:

>

> Since I missed out on the St. Louis Tuner I am in need of a qrp
> tuner preferably a kit. Does anybody know of any kits available? Or is
> Wilderness going to market the St Louis tuner? Any ideas? Thanks. Also
> thanks to Jim Cates for all his good efforts on the St Louis Tuner. I'm just
> sorry I found out about it too late. Is a MFJ 949E suitable for QRP? A 971
> seems pricey. How about a 941? Has anyone built the tuner kit offered by
> Dan's Small Parts and Kits?

> Ron KB6GK

> NorCal #1718

> San Francisco

Hi Ron:

I've seen several posts on "tuners" for qrp recently.

My idea(and I'm no expert) is if you can do without, you are better off. The reality, of course, we all make do with the space, configuration, and engineering restrictions that must be dealt with.

We want bandwidth, directivity, "low swr", and a cast of other characters we deem needed(*and* as QRPers it must go into a 2 cubic inch box.)

My personal choices for performance would be:

1. The Johnson Kilowatt Matchbox
2. The Ultimate/SPC transmatch

Put your normal QRP rig into one of these, and it would rattle like a bb in a 55 gallon oil-drum.

Soooo...we compromise. Built a SPC-type transmatch with a toroid instead of the rolling inductor and seems to work fine.

The next one ,however, will be with large Air-Dux coil stock that I can change taps on to really suit the antenna to which connected. I try to make a *perfect* tuner. Silver plated so-239's, at least #12 guage wire(the Real Old-Timers would laugh...they used 1/8th inch copper tubing) to connect it up. I tie everything to a common ground on the tuner.Etc....

My personal view...Tuners should be like antennae ...BIG!

Let the flames begin.

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [679] Re: Tuners for QRP
Message-ID: <1.5.4.32.19960710062714.0067dee8@postoffice.worldnet.att.net>

At 05:52 AM 7/10/96 +0000, john andrews wrote:
> Soooo...we compromise. Built a SPC-type transmatch with a toroid
> instead of the rolling inductor and seems to work fine.

I'm planning on building (in fact, already ordered the toroids) the tuner in "QRP Classics" by the ARRL in the article "A Simple Resonant Antenna Tuner" (I think that's the article name, anyway). It was originally done by DeMaw by winding the coils on PVC, but near the end of the article he says what to do to make it smaller, & how to wind the coils on toroids.

Anyone have experience with this tuner?

73,
mike KD0FX
Richland WA QRP-L #576

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: gmdiana@kodak.com (Gary Diana)
Subject: [688] Re: Tuners for QRP
Message-ID: <9607101215.AA02679@monolith.bisco.kodak.COM>

Just another data point: don't overlook the Super Tee
Antenna tuner kit from Kanga. Check out:

<http://qrp.cc.nd.edu/kanga/klist.html>

You supply the enclosure, but at \$20, what a deal! The design basically uses 8 switches to select an inductance (or combination) and an air variable cap. It is designed for random wires, and un/balanced feedlines. There are no meters or measuring circuits, this is strictly a tuner. When I built mine, I went a little further and integrated the w7el wattmeter (see any early 90's ARRL hdbk.) with it, so I could measure forward and reflected power, and swr. I would say the whole thing was built for about \$40 total... cheaper than a college text book!

73 for now.
- Gary N2JGU
gmdsr@vivanet.com

ps. well if you've read this far, something has interested you, so here's a bonus:

1. board for w7el wattmeter is available from FAR Circuits
2. kit for w7el wattmeter available from 624 Kits (no enclosure, lower \$),
or look at Oak Hills Research (enclosure, higher \$)
3. the super tee antenna tuner was written up in the QRP Quarterly and I believe the G-QRP Journal. If you're desperate and want to see the article, send me an SASE and I'll send you a copy. Or talk the article up on the list and maybe they'll reprint the article, I bet there would be a lot of interest in it.
(Gary M. Diana N2JGU, 65 Pacer Drive, Henrietta NY 14467)

From owner-qrp-l@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: tmh@world.std.com
Subject: [709] Re: Tuners for QRP
Message-ID: <Pine.SGI.3.91.960710134147.19372C-100000@world.std.com>

On Wed, 10 Jul 1996, Gary Diana wrote:

> Just another data point: don't overlook the Super Tee
> Antenna tuner kit from Kanga. Check out:

>
> <http://qrp.cc.nd.edu/kanga/klist.html>
>
> You supply the enclosure, but at \$20, what a deal!

It sure is! This is the kind of kit I like. It comes with the hard-to find parts (inductors and variable caps) and doesn't make you pay for a fancy case that I'd probably tear up anyway, all for a price that keeps your blood pressure nice and low.

I installed mine in one of those Radio Shack shiny tin cases, with the input and outputs on opposite ends, and the row of switches across the top, and the knob of the variable cap on the side. Looks really cool.

-- Tim

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: chas@nmaa.org (Charles Kadesch)
Subject: [713] Re: Tuners for QRP
Message-ID: <31E41FCF.4097@nmaa.org>

I'll second what Tim said re the Super Tee. It's high Q does a nice job as a front end filter for the receiver as well and I haven't found an antenna yet that it won't match. The balun is on the xcvr side where it belongs. I haven't measured the efficiency, but doing A vs B tests against my big link coupled tuner, it stacks up very well. I have (shame) even pumped 50 watts thru it without any problems but it's forte' is QRP and it travels well.

72 de Chas W8KUX
chas@nmaa.org

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [694] Re: V2L .gif
Message-ID: <199607101354.NAA14433@chuck.dallas.sgi.com>

Phil's comment about dealing with Stan Hails owner of WBL Designs (his call is W9WBL so you know where the company name came from) is correct in that Stan is a very interesting person. Talked to him at Dayton for 30 minutes or more.

You can catch him on the air around 7.033MHz +/- but you'll need to be doing more than the speed limit (55) wpm. :-)

The V2L is not a backpacking paddle and you won't be hauling it around in the suitcase either.

I knew you guys would like it. :-)

dit dit es tnx

--

Chuck Adams (K5FO CP-60) adams@sgi.com

K5FO TMPS 1996 Qs=055 States=27 Confirmed=14 DX=02 (0.95W)

AL AZ CA CO DC DE FL GA IA IL IN MD MI MO

NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-1@Lehigh.EDU Wed Jul 10 23:12:13 1996

From: "Steve, N2MNN" <n2mnn@openix.com>

Subject: [737] RE:V01DRB AWARD

Message-ID: <199607110149.VAA14084@pantera.openix.com>

Bob,

Good things come in twos and threes.

What I have discovered is that people don't realize that the awards are not as thick as they appear to be. They are printed on 20# special coated ink jet paper. A sheet of 110# stock was inserted behind each award to stiffen the package to prevent damage in shipping. Up to 3 awards were inserted in each clear sheet protector to save postage.

So Bob if you take the papers out of the clear protector, you'll find another surprise.... a first place award for the 1995 QRP ARCI FALL QSO PARTY!!!

The following were sent envelopes with multiple awards. So if your call is shown here, pull the sheets out of the clear protector to find an additional 1 or 2 awards.

K5STY, W0LK, W3TS, W6ZH, WA0RPI, WB0SMZ, VE6GK, NF0R, N4ROA, KC4IIS

Sorry guys. The clear protector and 110# stock were used principally to protect the award in shipment. I expected everyone to take the sheets out of the protector after they received it, and then see all the awards.

Cam and I plan to continue using the color awards so go for it this Sunday in the QRP ARCI Summer Sprint.

Steve, N2MNN